RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: _____10/538, 038 B_____

Source: _____IFWO_____

Date Processed by STIC: _____08/08/2006_____

ENTERED

CRF Errors Edited by the STIC Systems Branch

Serial Number: _10/538, 038 13_   CRF Edit Date: _08/16/2006_
Edited by: _DA_

____ Realigned nucleic acid/amino acid numbers/text in cases where the sequence
text "wrapped" to the next line

____ Corrected the SEQ ID NO. Sequence numbers edited were:

_____

____ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID
NO's edited:

_____

____ Deleted: ___ invalid beginning/end-of-file text ; ___ page numbers

____ Inserted mandatory headings/numeric identifiers, specifically:

_____

____ Moved responses to same line as heading/numeric identifier, specifically:

_____

__/__ Other: _Inserted Mandatory Numeric_
Identifier (220).

IFWO

RAW SEQUENCE LISTING   DATE: 08/17/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:59:51

Input Set : **A:\10530038.raw.txt**
Output Set: **N:\CRF4\08172006\J538038B.raw**

```
 1 <110> APPLICANT: Givaudan SA
 2 <120> TITLE OF INVENTION: G-Proteins
 3 <130> FILE REFERENCE: 30069PCT
```
C-->
```
 4 <140> CURRENT APPLICATION NUMBER: US/10/538,038B
 5 <141> CURRENT FILING DATE: 2005-06-08
 6 <150> PRIOR APPLICATION NUMBER: US 60/434,790
 7 <151> PRIOR FILING DATE: 2002-12-18
 8 <160> NUMBER OF SEQ ID NOS: 2
 9 <170> SOFTWARE: Patentln version 3.1
11 <210> SEQ ID NO: 1
12 <211> LENGTH: 1122
13 <212> TYPE: DNA
14 <213> ORGANISM: Homo sapiens
15 <220> FEATURE:
16 <221> NAME/KEY: CDS
17 <222> LOCATION: (1)..(1122)
18 <400> SEQUENCE: 1
19       atggcccgct cgctgacctg gcgctgctgc ccctggtgcc tgacggagga tgagaaggcc   60
20       gccgcccggg tggaccagga gatcaacagg atcctcttgg agcagaagaa gcaggaccgc  120
21       ggggagctga agctgctgct tttgggccca ggcgagagcg ggaagagcac cttcatcaag  180
22       cagatgcgga tcatccacgg cgccggctac tcggaggagg agcgcaaggg cttccggccc  240
23       ctggtctacc agaacatctt cgtgtccatg cgggccatga tcgaggccat ggagcggctg  300
24       cagattccat tcagcaggcc cgagagcaag caccacgcta gcctggtcat gagccaggac  360
25       ccctataaag tgaccacgtt tgagaagcgc tacgctgcgg ccatgcagtg gctgtggagg  420
26       gatgccggca tccgggcctg ctatgagcgt cggcgggaat tccacctgct cgattcagcc  480
27       gtgtactacc tgtcccacct ggagcgcatc accgaggagg ctacgtcccc cacagctcag  540
28       gacgtgctcc gcagccgcat gcccaccact ggcatcaacg agtactgctt ctccgtgcag  600
29       aaaaccaacc tgcggatcgt ggacgtcggg ggccagaagt cagagcgtaa gaaatggatc  660
30       cattgtttcg agaacgtgat cgccctcatc tacctggcct cactgagtga atacgaccag  720
31       tgcctggagg agaacaacca ggagaaccgc atgaaggaga gcctcgcatt gtttgggact  780
32       atcctggaac taccctggtt caaaagcaca tccgtcatcc tctttctcaa caaaaccgac  840
33       atcctggagg agaaaatccc cacctcccac ctggctacct atttcccccag tttccagggc  900
34       cctaagcagg atgctgaggc agccaagagg ttcatcctgg acatgtacac gaggatgtac  960
35       accgggtgcg tggacggccc cgagggcagc aacttaaaaa agaagataa ggaaatctat 1020
36       tctcacatga cctgcgctac tgacacacaa aacgtcaaat tcgtgtttga tgccgtgaca 1080
37       gatataataa taaaagagaa cctcaaagac tgtgggctct tc                   1122
39 <210> SEQ ID NO: 2
40 <211> LENGTH: 374
41 <212> TYPE: PRT
42 <213> ORGANISM: Homo sapiens
43 <400> SEQUENCE: 2
44       Met Ala Arg Ser Leu Thr Trp Arg Cys Cys Pro Trp Cys Leu Thr Glu
45        1               5                  10                  15
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RAW SEQUENCE LISTING   DATE: 08/17/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:59:51

Input Set : **A:\10530038.raw.txt**
Output Set: **N:\CRF4\08172006\J538038B.raw**

```
46        Asp Glu Lys Ala Ala Ala Arg Val Asp Gln Glu Ile Asn Arg Ile Leu
47                    20              25              30
48        Leu Glu Gln Lys Lys Gln Asp Arg Gly Glu Leu Lys Leu Leu Leu Leu
49                    35              40              45
50        Gly Pro Gly Glu Ser Gly Lys Ser Thr Phe Ile Lys Gln Met Arg Ile
51            50              55              60
52        Ile His Gly Ala Gly Tyr Ser Glu Glu Glu Arg Lys Gly Phe Arg Pro
53        65              70              75              80
54        Leu Val Tyr Gln Asn Ile Phe Val Ser Met Arg Ala Met Ile Glu Ala
55                    85              90              95
56        Met Glu Arg Leu Gln Ile Pro Phe Ser Arg Pro Glu Ser Lys His His
57                    100             105             110
58        Ala Ser Leu Val Met Ser Gln Asp Pro Tyr Lys Val Thr Thr Phe Glu
59                    115             120             125
60        Lys Arg Tyr Ala Ala Ala Met Gln Trp Leu Trp Arg Asp Ala Gly Ile
61            130             135             140
62        Arg Ala Cys Tyr Glu Arg Arg Arg Glu Phe His Leu Leu Asp Ser Ala
63        145             150             155             160
64        Val Tyr Tyr Leu Ser His Leu Glu Arg Ile Thr Glu Glu Gly Tyr Val
65                    165             170             175
66        Pro Thr Ala Gln Asp Val Leu Arg Ser Arg Met Pro Thr Thr Gly Ile
67                    180             185             190
68        Asn Glu Tyr Cys Phe Ser Val Gln Lys Thr Asn Leu Arg Ile Val Asp
69                    195             200             205
70        Val Gly Gly Gln Lys Ser Glu Arg Lys Lys Trp Ile His Cys Phe Glu
71            210             215             220
72        Asn Val Ile Ala Leu Ile Tyr Leu Ala Ser Leu Ser Glu Tyr Asp Gln
73        225             230             235             240
74        Cys Leu Glu Glu Asn Asn Gln Glu Asn Arg Met Lys Glu Ser Leu Ala
75                    245             250             255
76        Leu Phe Gly Thr Ile Leu Glu Leu Pro Trp Phe Lys Ser Thr Ser Val
77                    260             265             270
78        Ile Leu Phe Leu Asn Lys Thr Asp Ile Leu Glu Glu Lys Ile Pro Thr
79                    275             280             285
80        Ser His Leu Ala Thr Tyr Phe Pro Ser Phe Gln Gly Pro Lys Gln Asp
81            290             295             300
82        Ala Glu Ala Ala Lys Arg Phe Ile Leu Asp Met Tyr Thr Arg Met Tyr
83        305             310             315             320
84        Thr Gly Cys Val Asp Gly Pro Glu Gly Ser Asn Leu Lys Lys Glu Asp
85                    325             330             335
86        Lys Glu Ile Tyr Ser His Met Thr Cys Ala Thr Asp Thr Gln Asn Val
87                    340             345             350
88        Lys Phe Val Phe Asp Ala Val Thr Asp Ile Ile Ile Lys Glu Asn Leu
89                    355             360             365
90        Lys Asp Cys Gly Leu Phe
91            370
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VERIFICATION SUMMARY   DATE: 08/17/2006
PATENT APPLICATION: **US/10/538,038B**   TIME: 08:59:52

Input Set : **A:\10530038.raw.txt**
Output Set: **N:\CRF4\08172006\J538038B.raw**

L:4 M:270 C: Current Application Number differs, Wrong Format

STATISTICS SUMMARY   DATE: 08/17/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:59:52

                Input Set : A:\10530038.raw.txt
                Output Set: N:\CRF4\08172006\J538038B.raw

Application Serial Number: US/10/538,038B
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 06-08-2005
Art Unit: IFWO
Software Application: OTHER
Total Number of Sequences: 2
Total Nucleotides: 1122
Total Amino Acids: 374
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 1

MESSAGE SUMMARY

270 C: 1 (Current Application Number differs)

Raw Sequence Listing before editing, for reference only

IFWO

RAW SEQUENCE LISTING   DATE: 08/08/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:40:05

        Input Set : **A:\102790-135 sequence listing.txt**
        Output Set: **N:\CRF4\08082006\J538038B.raw**

```
      3 <110> APPLICANT: Givaudan SA
      5 <120> TITLE OF INVENTION: G-Proteins
      7 <130> FILE REFERENCE: 30069PCT
C-->  9 <140> CURRENT APPLICATION NUMBER: US/10/538,038B
C-->  9 <141> CURRENT FILING DATE: 2005-06-08
      9 <150> PRIOR APPLICATION NUMBER: US 60/434,790
     11 <151> PRIOR FILING DATE: 2002-12-18
     13 <160> NUMBER OF SEQ ID NOS: 2
     15 <170> SOFTWARE: Patentln version 3.1
```

Does Not Comply
Corrected Diskette Needed
(pg-1)

ERRORED SEQUENCES

```
     17 <210> SEQ ID NO: 1
     19 <211> LENGTH: 1122
     21 <212> TYPE: DNA
     23 <213> ORGANISM: Homo sapiens    --> Inserted <220>
     25 <221> NAME/KEY: CDS
     27 <222> LOCATION: (1)..(1122)
E--> 30 <400> SEQUENCE: 1
     32 atggcccgct cgctgacctg gcgctgctgc ccctggtgcc tgacggagga tgagaaggcc   60
     34 gccgcccggg tggaccagga gatcaacagg atcctcttgg agcagaagaa gcaggaccgc  120
     36 ggggagctga agctgctgct tttgggccca ggcgagagcg ggaagagcac cttcatcaag  180
     38 cagatgcgga tcatccacgg cgccggctac tcggaggagg agcgcaaggg cttccggccc  240
     40 ctggtctacc agaacatctt cgtgtccatg cgggccatga tcgaggccat ggagcggctg  300
     42 cagattccat tcagcaggcc cgagagcaag caccacgcta gcctggtcat gagccaggac  360
     44 ccctataaag tgaccacgtt tgagaagcgc tacgctgcgg ccatgcagtg gctgtggagg  420
     46 gatgccggca tccgggcctg ctatgagcgt cggcgggaat tccacctgct cgattcagcc  480
     48 gtgtactacc tgtcccacct ggagcgcatc accgaggagg gctacgtccc cacagctcag  540
     50 gacgtgctcc gcagccgcat gcccaccact ggcatcaacg agtactgctt ctccgtgcag  600
     52 aaaaccaacc tgcggatcgt ggacgtcggg ggccagaagt cagagcgtaa gaaatggatc  660
     54 cattgtttcg agaacgtgat cgccctcatc tacctggcct cactgagtga atacgaccag  720
     56 tgcctggagg agaacaacca ggagaaccgc atgaaggaga gcctcgcatt gtttgggact  780
     58 atcctggaac taccctggtt caaaagcaca tccgtcatcc tctttctcaa caaaaccgac  840
     60 atcctggagg agaaaatccc cacctcccac ctggctacct atttccccag tttccagggc  900
     62 cctaagcagg atgctgaggc agccaagagg ttcatcctgg acatgtacac gaggatgtac  960
     64 accgggtgcg tggacggccc cgaggcagc aacttaaaaa agaagataa ggaaatctat 1020
     66 tctcacatga cctgcgctac tgacacacaa aacgtcaaat cgtgtttga tgccgtgaca 1080
     68 gatataataa taaaagagaa cctcaaagac tgtgggctct tc                1122
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VERIFICATION SUMMARY   DATE: 08/08/2006
PATENT APPLICATION: US/10/538,038B   TIME: 08:40:06

Input Set : **A:\102790-135 sequence listing.txt**
Output Set: **N:\CRF4\08082006\J538038B.raw**

L:9 M:270 C: Current Application Number differs, Replaced Current Application No
L:9 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:30 M:200 E: Mandatory Header Field missing, <220> Tag not found for SEQ ID#:1